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(FILE 'HOME' ENTERED AT 15:24:29 ON 12 MAY 2005) FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 15:24:41 ON 12 MAY 2005 L180 S NEAR (W) DIPLOID (W) IMMORTALIZED (W) KERATINOCYTE OR NIKS L2 270330 S SURFACE (W) ELECTRICAL (W) CAPACITANCE OR SEC L30 S L1 AND L2 L43140 S SKIN(W) EQUIVALENT OR ARTIFICIAL(W) SKIN L5 3 S L1 AND L4 L6 3 DUP REM L5 (0 DUPLICATES REMOVED) => d bib ab 1-3 16 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN ΑN 2005:121071 CAPLUS DN 142:225620 TI Human skin equivalents expressing exogenous KGF-2 polypeptides IN Centanni, John M.; Allen-Hoffmann, Lynn PA Stratatech Corporation, USA SO PCT Int. Appl., 116 pp. CODEN: PIXXD2 DTPatent LΑ English FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE **----**------_ _ _ _ ----------PΙ A2 20050210 WO 2004-US24627 WO 2005012492 20040730 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2005079578 A1 20050414 US 2004-909119 20040730 PRAI US 2003-491869P Ρ 20030801 US 2003-493664P Ρ 20030808 The present invention relates generally to compns. for wound closure. AΒ More specifically, the present invention provides human skin equiv. engineered to express exogenous polypeptides (e.g., antimicrobial polypeptides and keratinocyte growth factor 2) and compns. and methods for making human skin equiv. engineered to express exogenous polypeptides. In addition, the present invention provides methods for treatment of wounds with human skin equiv. engineered to express exogenous polypeptides. The present invention provides methods for providing cells expressing heterologous KGF-2 comprising: providing a host cell selected from the group consisting of primary keratinocytes and immortalized keratinocytes and an expression vector comprising a DNA sequence encoding KGF-2 operably linked to a regulatory sequence; transformation of cells with the expression vector and expression of KGF-2 in host cells. The invention further provides a method of treating wounds comprising: providing primary or immortalized keratinocytes expressing a exogenous antimicrobial polypeptide such as human β -defensin 1, 2, 3, and human cathelicidin.

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AN
     2004:1124584 CAPLUS
     142:80012
DN
TI
     Method for freezing and/or drying organs formed from mammalian cells
     modified with genes encoding antifreeze late embryogenesis protein HVA1,
     or genes for osmoprotective trehalose transport or synthesis
IN
     Conrad, Paul; Hoffmann, Michael; Allen-Hoffmann, Lynn
PA
     Stratatech Corporation, USA
SO
     PCT Int. Appl., 94 pp.
     CODEN: PIXXD2
DT
     Patent
     English
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FAN.CNT 1
     PATENT NO.
                        KIND
                                 DATE
                                            APPLICATION NO. DATE
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                                           WO 2004-US17167 20040528
     WO 2004110372
                                 20041223
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
PRAI US 2003-474334P
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                                 20030530
     US 2004-857764
                          Α
                                 20040528
AΒ
     The present invention relates generally to compns. and method for freezing
     and/or drying organs for storage using osmoprotectants to improve survival
     of tissue. In particular, the present invention relates to the genetic
     modification of cells used to form organs to express osmoprotectant and
     antifreeze proteins. According to the invention, mammalian cells may be
     modified with genes encoding barley antifreeze late embryogenesis protein
     HVA1, trehalose transport protein, such as yeast AGT1, or a trehalose
     synthesis pathway. The genes encoding a trehalose synthesis pathway
     include otsA (encoding trehalose-6-phosphate synthase) and otsB (encoding
     trehalose-6-phosphate phosphatase) from Escherichia coli. The invention
     also provides methods of treating patients with organs that have been
     preserved by freezing and/or drying. The production and cryopreservation of
     skin equiv. from NIKS cells were demonstrated.
     Trehalose synthesis and uptake in transgenic NIKS cells were
     also demonstrated.
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     ANSWER 3 OF 3 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN
     2000:275710 BIOSIS
DN
     PREV200000275710
ΤI
     Use of the spontaneously immortalized keratinocyte cell line (NIKSTM) to
     study tumor and epithelial cell interactions in a reconstructed human
     skin equivalent.
     Pickart, Michael A. [Reprint author]; Clotfelter, Justine T.; Hudson,
ΑU
     Laurie G.; Harari, Paul M.; Allen-Hoffmann, B. Lynn
CS
     Univ of New Mexico, Albuquerque, NM, USA
SO
     Proceedings of the American Association for Cancer Research Annual
     Meeting, (March, 2000) No. 41, pp. 831. print.
     Meeting Info.: 91st Annual Meeting of the American Association for Cancer
     Research. San Francisco, California, USA. April 01-05, 2000.
     ISSN: 0197-016X.
DT
     Conference; (Meeting)
     Conference; Abstract; (Meeting Abstract)
LΑ
     English
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ED

Entered STN: 30 Jun 2000

Last Updated on STN: 7 Jan 2002

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<u>L4</u>	11 with 12	5	<u>L4</u>
<u>L3</u>	11 and L2	420	<u>L3</u>
<u>L2</u>	surface adj electrical adj capacitance or sec	717769	<u>L2</u>
<u>L1</u>	(diploid adj immortalized adj keratinocyte) or niks	706	<u>L1</u>

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Search Results - Record(s) 1 through 5 of 5 returned.

- 1. <u>20040022869</u>. 02 Dec 02. 05 Feb 04. Methods and compositions for modulating the immune system and uses thereof. Chen, Lan Bo, et al. 424/623; 514/11 514/12 514/165 514/183 514/291 514/365 514/449 514/50 514/557 514/559 514/573 514/675 A61K038/17 A61K031/557 A61K031/337 A61K031/426 A61K031/427 A61K031/7072.
- 2. <u>20020187498</u>. 01 Mar 02. 12 Dec 02. Skin substitutes for irritancy testing. Comer, Allen, et al. 435/6; 435/371 C12Q001/68 C12N005/08.
- 3. <u>20020164793</u>. 01 Mar 02. 07 Nov 02. Skin substitutes and uses thereof. Conrad, Paul Barth, et al. 435/371; 424/93.7 C12N005/08 A61K045/00.
- 4. <u>6846675</u>. 01 Mar 02; 25 Jan 05. Skin substitutes and uses thereof. Conrad; Paul Barth, et al. 435/371; 424/93.7 435/373 435/382 435/393. C12N005/08.
- 5. <u>6822138</u>. 02 Nov 00; 23 Nov 04. NIK-knockout mice. Schreiber; Robert D., et al. 800/18; 800/21. A01K067/027 C12N015/00.

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Day: Thursday Date: 5/12/2005

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Inventor Name Search Result

Your Search was:

Last Name = COMER First Name = ALLEN

Application#	Patent#	Status	Date Filed	Title	Inventor Name 12
60632701	Not Issued	020	12/02/2004	VECTORS FOR STABLE GENE EXPRESSION	COMER, ALLEN
60629148	Not Issued	020	11/18/2004	VECTORS FOR KERATINOCYTE EXPRESSION	COMER, ALLEN
60376488	Not Issued	159	04/30/2002	KERATINOCYTES EXPRESSING EXOGENOUS ANGIOGENIC GROWTH FACTORS	COMER, ALLEN
60297284	Not Issued	159	06/11/2001	SCREEN FOR SELECTIVE INHIBITORS OR ACTIVATORS OF SMAD PROTEIN FUNCTION	COMER, ALLEN R.
60287898	Not Issued	159	05/01/2001	SKIN SUBSTITUTES FOR IRRITANCY TESTING	COMER, ALLEN
60273034	Not Issued	159	03/02/2001	SKIN SUBSTITUTES WITH IMPROVED BARRIER FUNCTION	COMER, ALLEN
10848646	Not Issued	020	05/19/2004	KERATINOCYTES EXPRESSING EXOGENOUS ANGIOGENIC GROWTH FACTORS	COMER, ALLEN
10425784	Not Issued	071		KERATINOCYTES EXPRESSING EXOGENOUS ANGIOGENIC GROWTH FACTORS	COMER, ALLEN
10166917	Not Issued	092	06/11/2002	SCREEN FOR SELECTIVE INHIBITORS OR ACTIVATORS OF SMAD PROTEIN FUNCTION	COMER, ALLEN R.
10087388	Not Issued	061	I I	SKIN SUBSTITUTES FOR IRRITANCY TESTING	COMER, ALLEN
10087346	Not	071	03/01/2002	SKIN SUBSTITUTES WITH	COMER, ALLEN

Issued		IMPROVED BARRIER FUNCTION					
Inventor Search Completed: No Records to Display.							
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Inventor Name Search Result

Your Search was:

Last Name = ALLEN-HOFFMANN

First Name = LYNN

Application#	Patent#	Status	Date Filed	Title	Inventor Name 18
<u>60662831</u>	Not Issued	020	03/17/2005	SKIN SUBSTITUTES WITH IMPROVED PURITY	ALLEN- HOFFMANN, LYNN
(0.402.664		150	00/00/0000		
60493664	Not Issued	159	I I	NIKS CELLS EXPRESSING KGF-2	ALLEN- HOFFMANN, LYNN
60491869	Not Issued	159	08/01/2003	HUMAN SKIN EQUIVALENTS ENGINEERED TO EXPRESS EXOGENOUS ANTIMICROBIAL POLYPEPTIDES	ALLEN- HOFFMANN, LYNN
60474334	Not Issued	159	05/30/2003	ROOM TEMPERATURE STORAGE OF ORGANS	ALLEN- HOFFMANN, LYNN
60400726	Not Issued	159	08/02/2002	SPECIES SPECIFIC DNA DETECTION	ALLEN- HOFFMANN, LYNN
60376488	Not Issued	159	04/30/2002	KERATINOCYTES EXPRESSING EXOGENOUS ANGIOGENIC GROWTH FACTORS	ALLEN- HOFFMANN, LYNN
60287898	Not Issued	159	05/01/2001	SKIN SUBSTITUTES FOR IRRITANCY TESTING	ALLEN- HOFFMANN, LYNN
60273034	Not Issued	159	03/02/2001	SKIN SUBSTITUTES WITH IMPROVED BARRIER FUNCTION	ALLEN- HOFFMANN, LYNN
11006014	Not Issued	019	12/07/2004	SKIN SUBSTITUTES AND USES THEREOF	ALLEN- HOFFMANN, LYNN
10909119	Not Issued	030	07/30/2004	HUMAN SKIN EQUIVALENTS EXPRESSING EXOGENOUS POLYPEPTIDES	ALLEN- HOFFMANN, LYNN
10857764	Not Issued	019			ALLEN- HOFFMANN, LYNN
10633141	Not Issued	030	1		ALLEN- HOFFMANN, LYNN
10087641	6846675	150	03/01/2002	SKIN SUBSTITUTES AND	ALLEN-

				USES THEREOF	HOFFMANN, LYNN
10087388	Not Issued	061	19	SKIN SUBSTITUTES FOR IRRITANCY TESTING	ALLEN- HOFFMANN, LYNN
<u>10087346</u>	Not Issued	071		SKIN SUBSTITUTES WITH IMPROVED BARRIER FUNCTION	ALLEN- HOFFMANN, LYNN
09277295	6214567	150	03/26/1999	IMMORTALIZED HUMAN KERATINOCYTE CELL LINE	ALLEN- HOFFMANN, LYNN
09114557	5989837	150			ALLEN- HOFFMANN, LYNN N.M.I.

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